

1/5

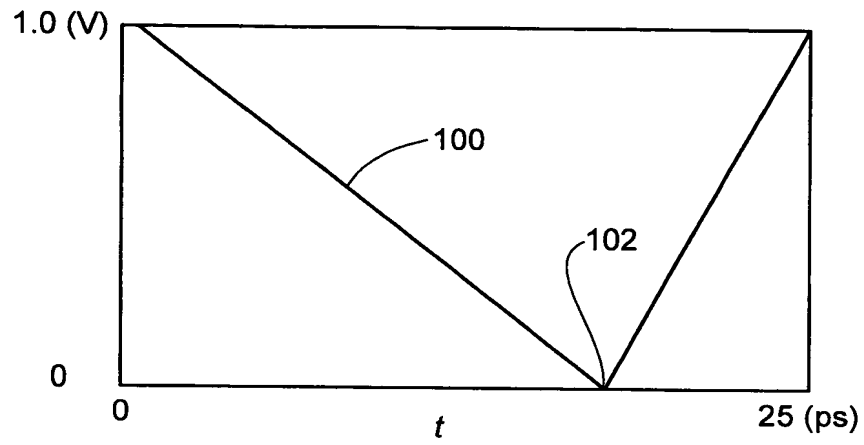


FIG. 1

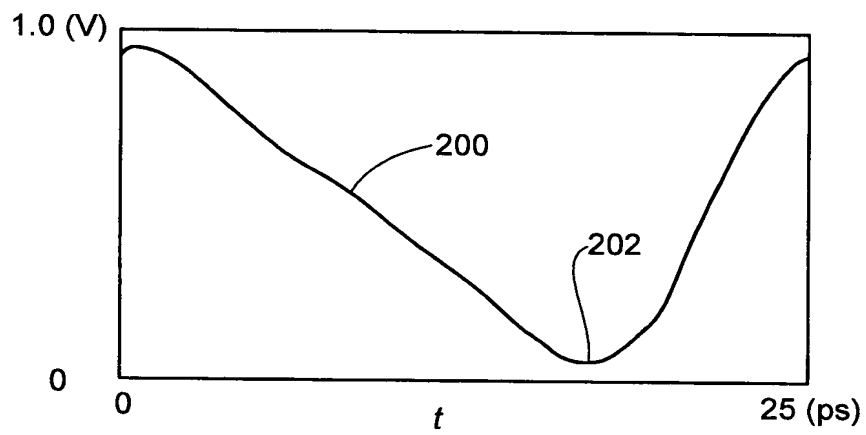


FIG. 2

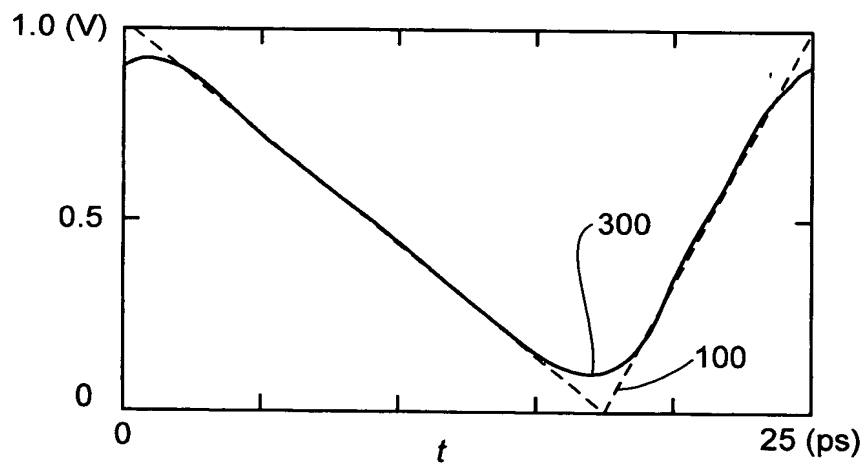


FIG. 3

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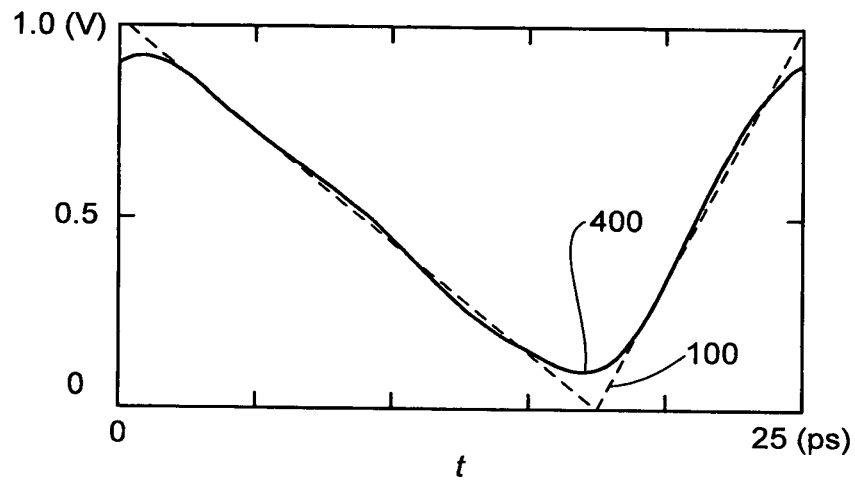


FIG. 4

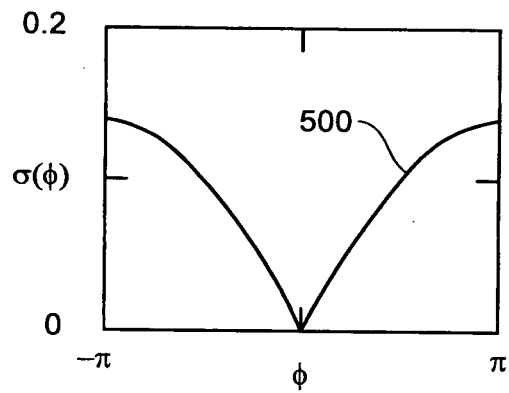


FIG. 5

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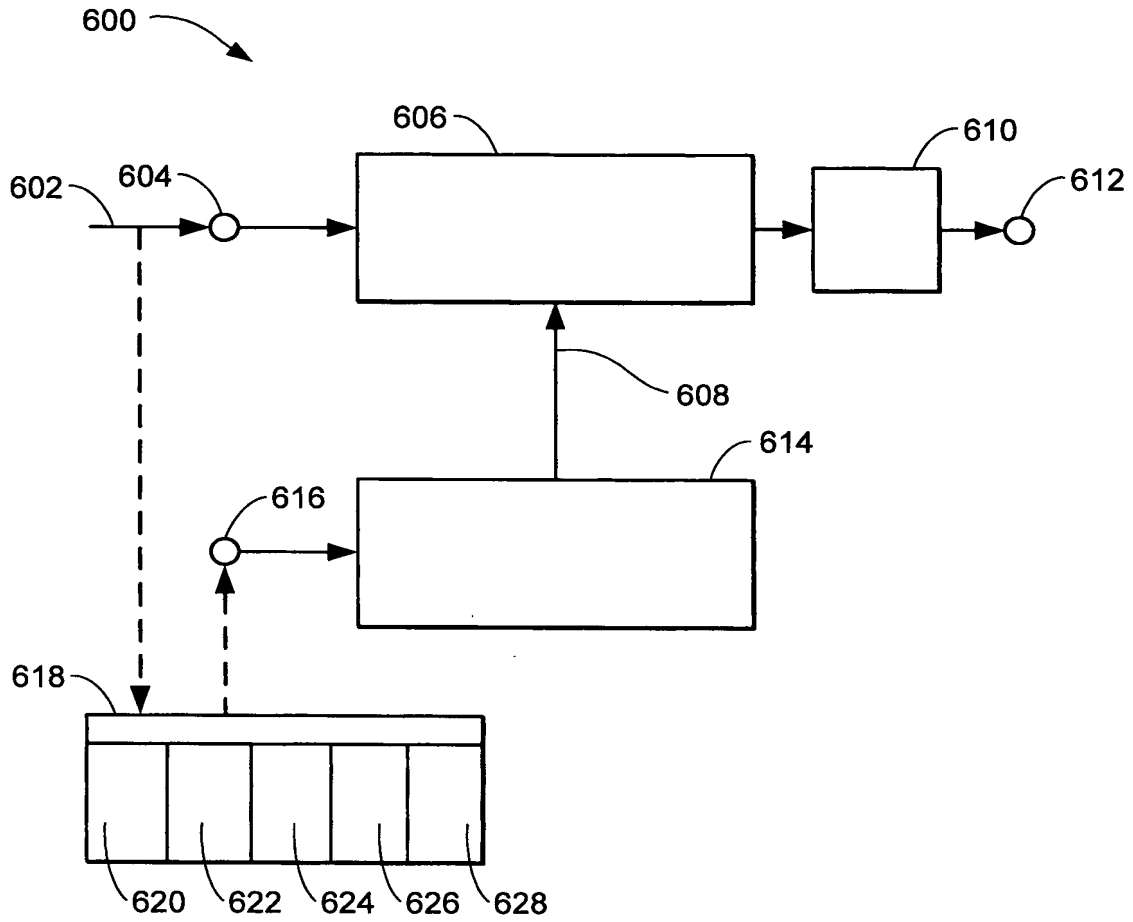


FIG. 6

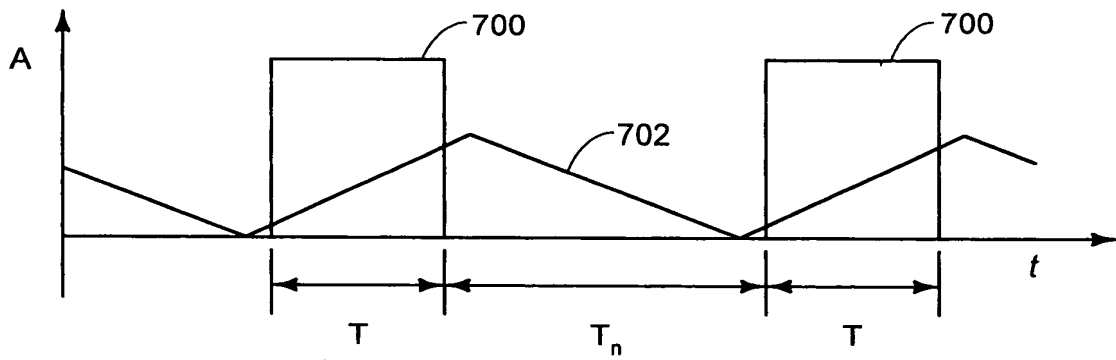


FIG. 7

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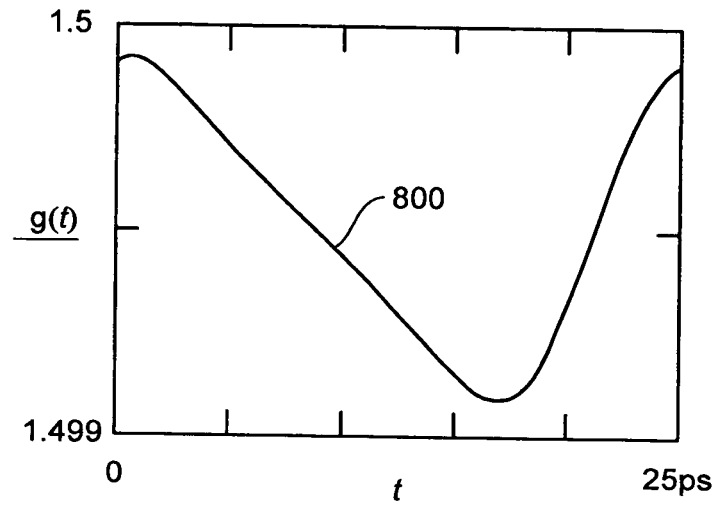


FIG. 8

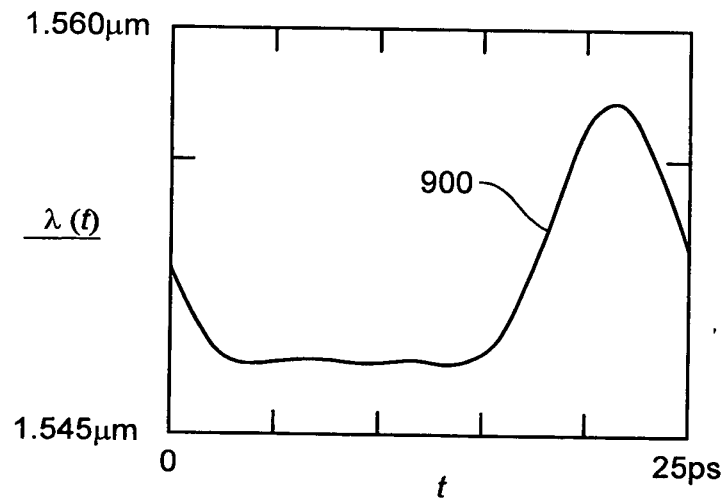



FIG. 9

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1000



SPECIFYING RESPECTIVE FREQUENCIES OF COMPONENT
WAVEFORMS TO BE USED TO GENERATE THE ARBITRARY
WAVEFORM, THE FREQUENCIES BEING LESS THAN THE
MAXIMUM FREQUENCY NEEDED TO SYNTHESIZE THE SPECIFIC
WAVEFORM
1002

PERFORMING A LEAST SQUARES OPTIMIZATION OF RESPECTIVE
AMPLITUDES AND PHASES OF THE COMPONENT WAVEFORMS
ACROSS AT LEAST ONE PREDETERMINED TIME INTERVAL
1004

SUMMING THE COMPONENT WAVEFORMS HAVING THE
AMPLITUDES AND PHASES OPTIMIZED BY THE LEAST SQUARES
OPTIMIZATION TO PRODUCE THE ARBITRARY WAVEFORM
1006

FIG. 10